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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shikha Barman et al.

Art Unit : Unknown

Serial No. : 09/872,836

Examiner : Unknown

Filed : June 1, 2001

Title : DELIVERY SYSTEMS FOR BIOACTIVE AGENTS

Attention: Official Draftsman
Commissioner for Patents
Washington, D.C. 20231

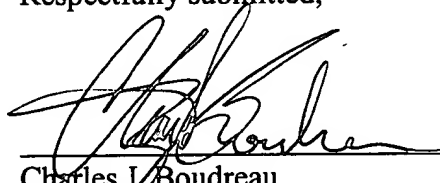
TRANSMITTAL OF FORMAL DRAWINGS

Please substitute the enclosed seventeen (17) sheets of formal drawings for the corresponding drawings presently in the application.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: May 9, 2002



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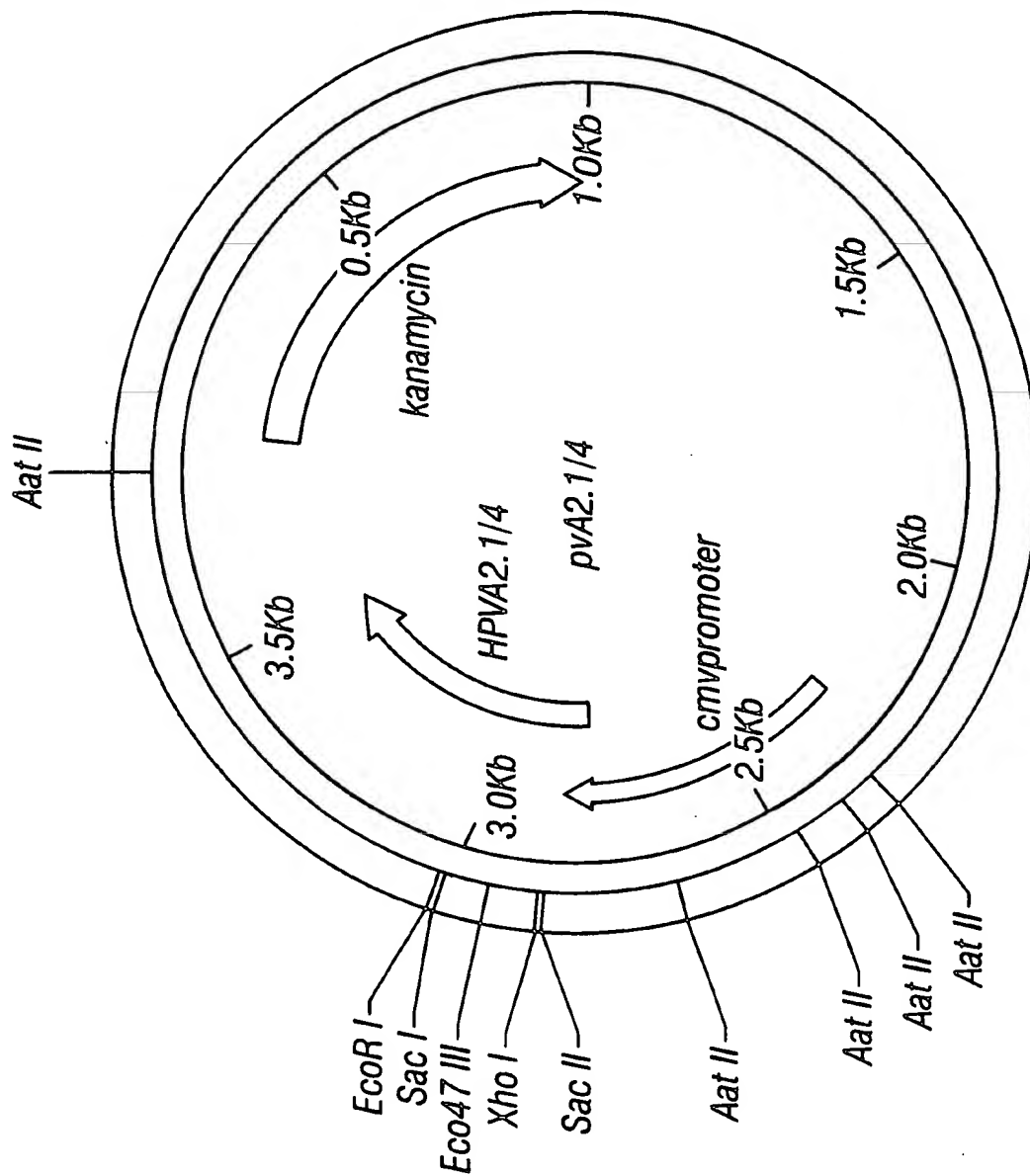


FIG. 1A

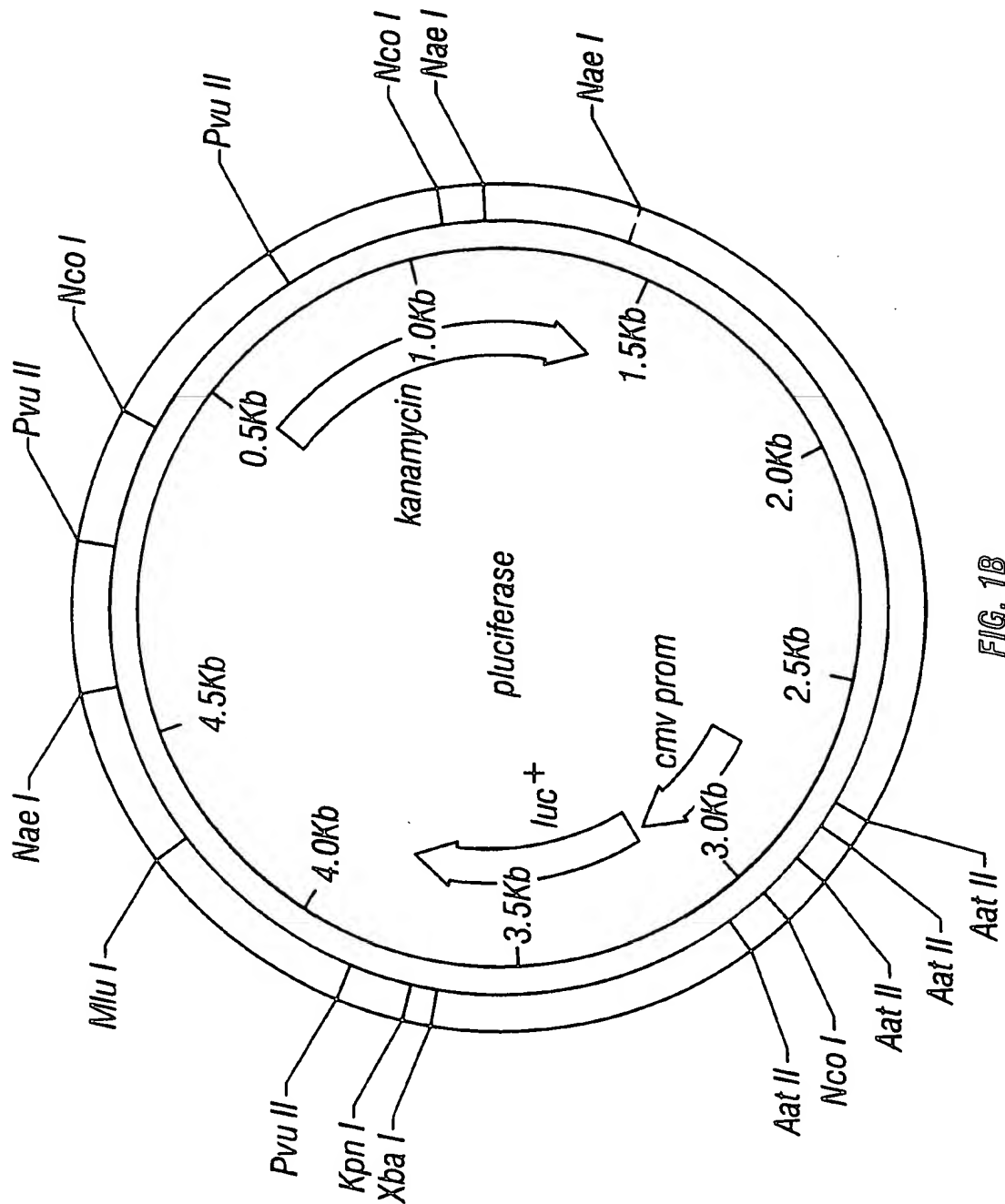


FIG. 1B

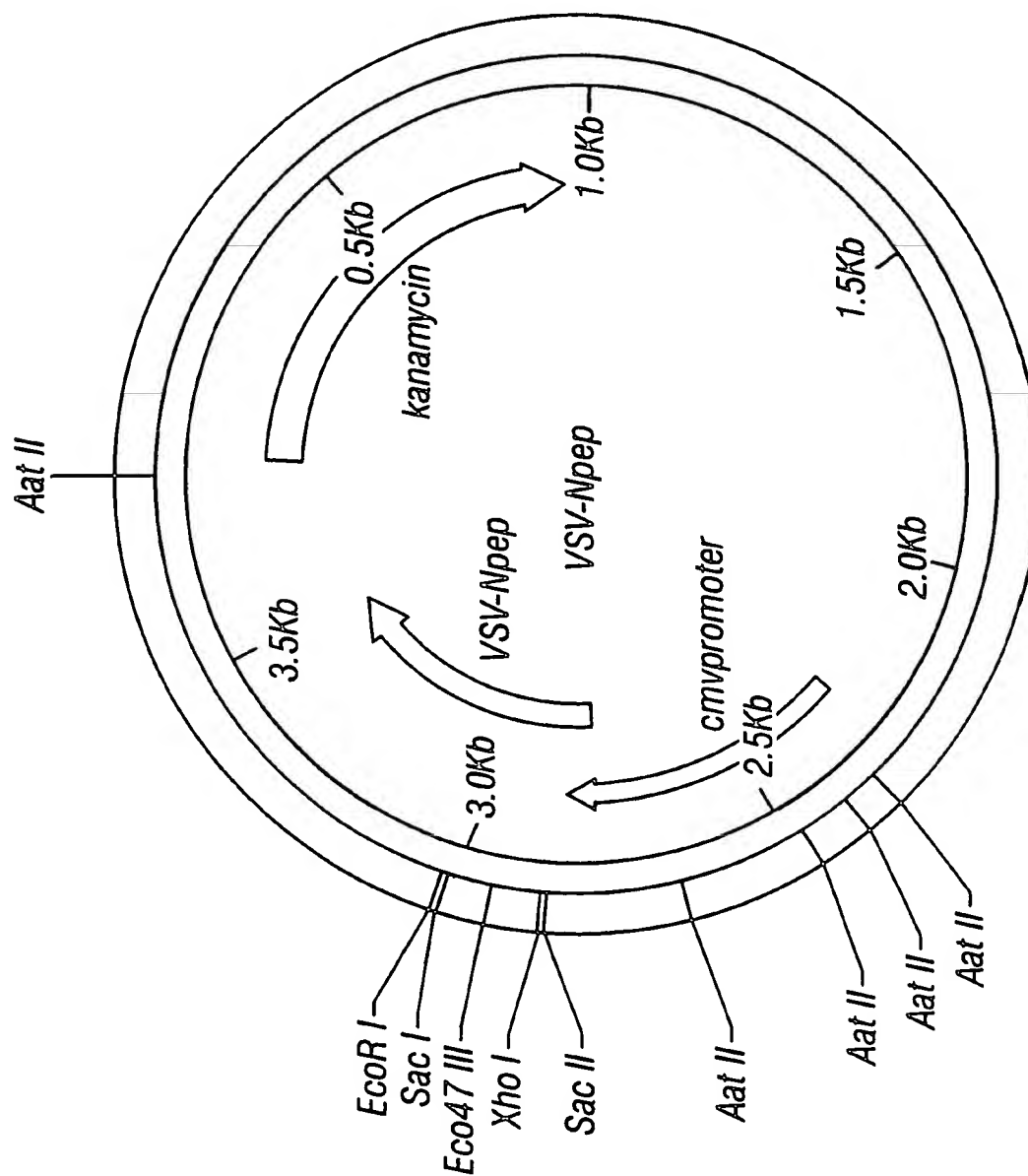
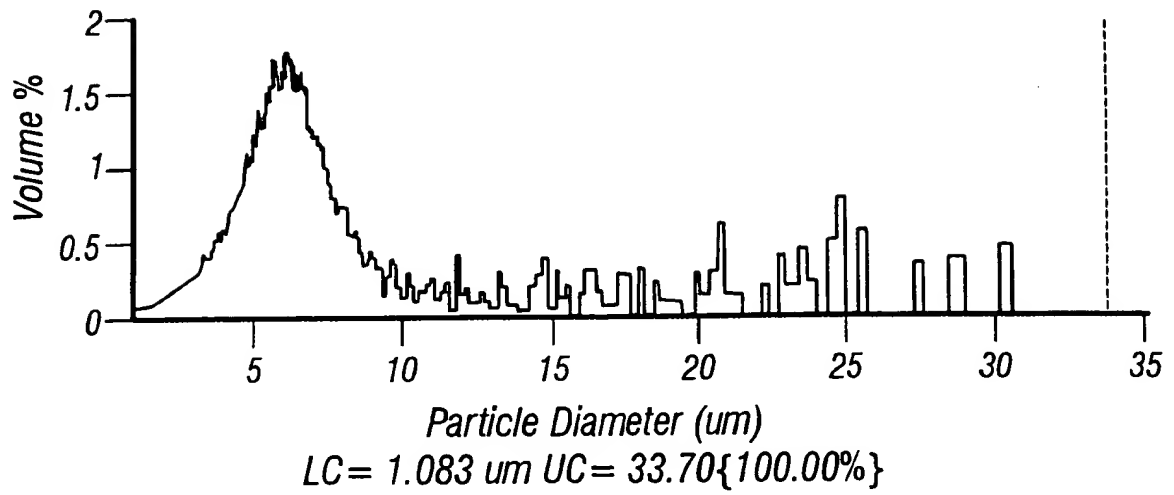
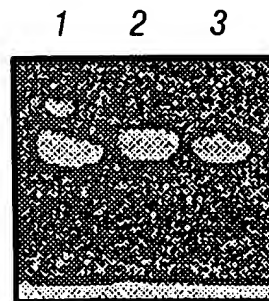


FIG. 1C

**FIG. 2****FIG. 3A****FIG. 3B**

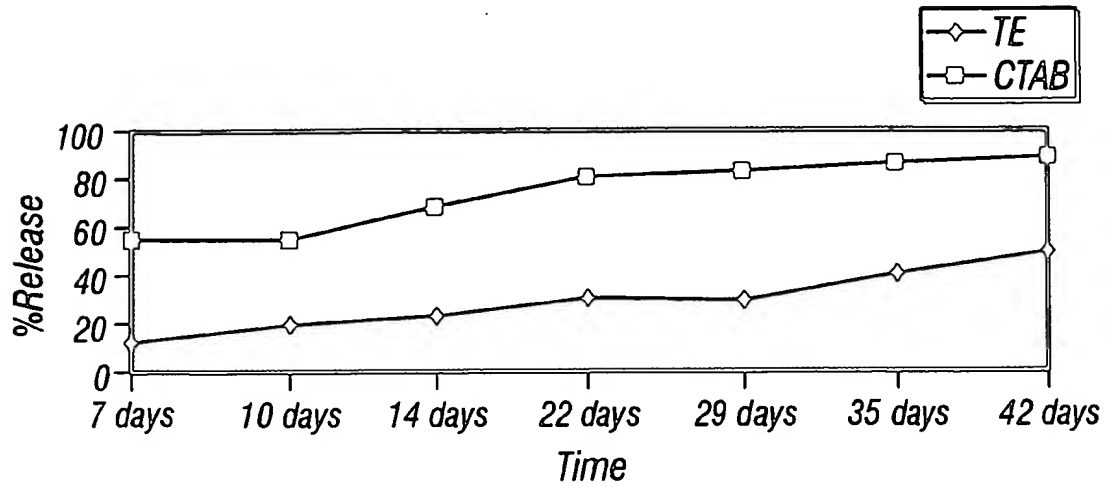


FIG. 4

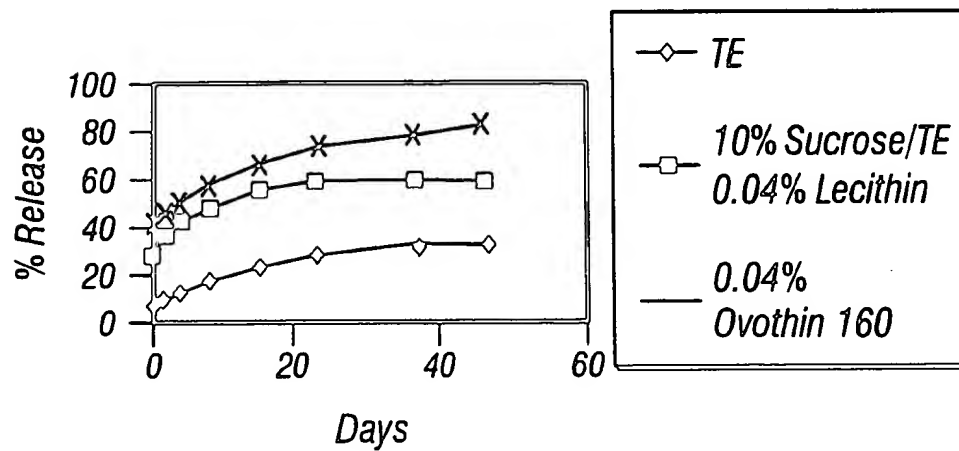


FIG. 5

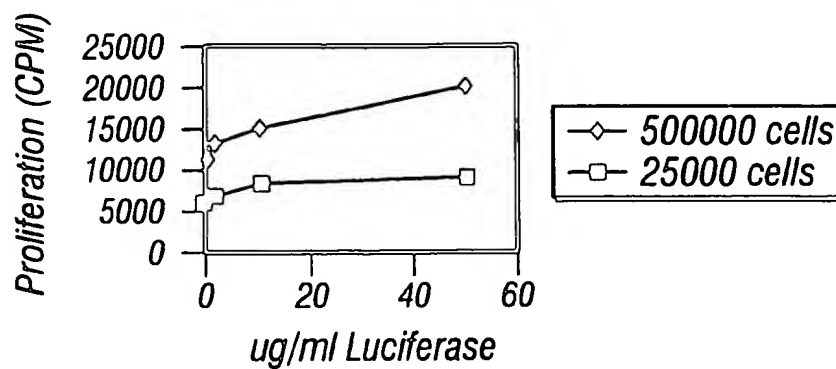


FIG. 6

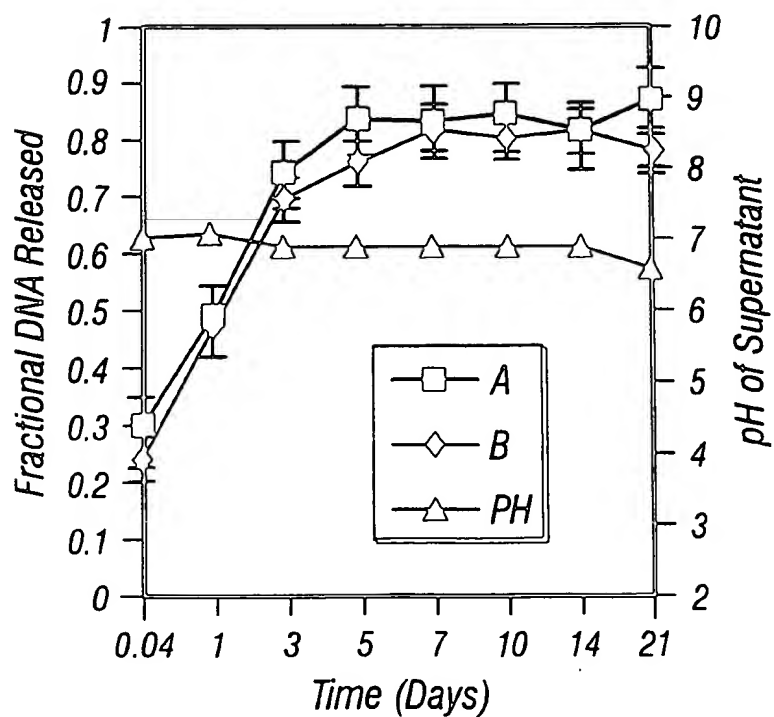
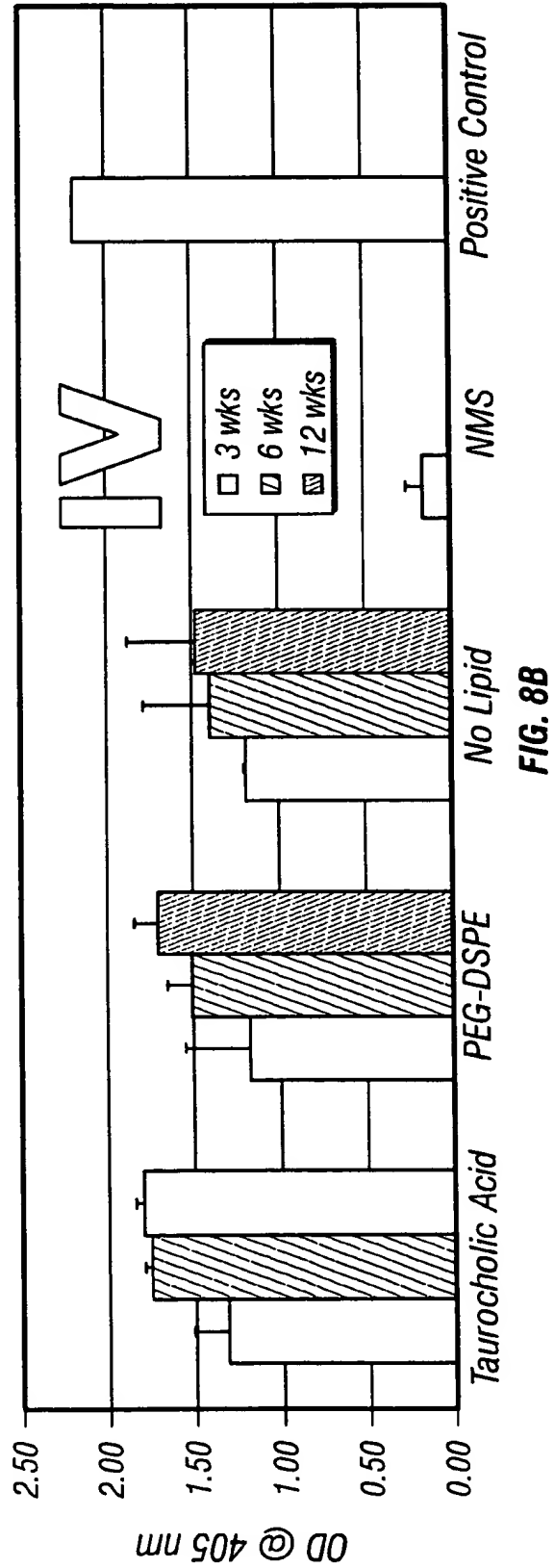
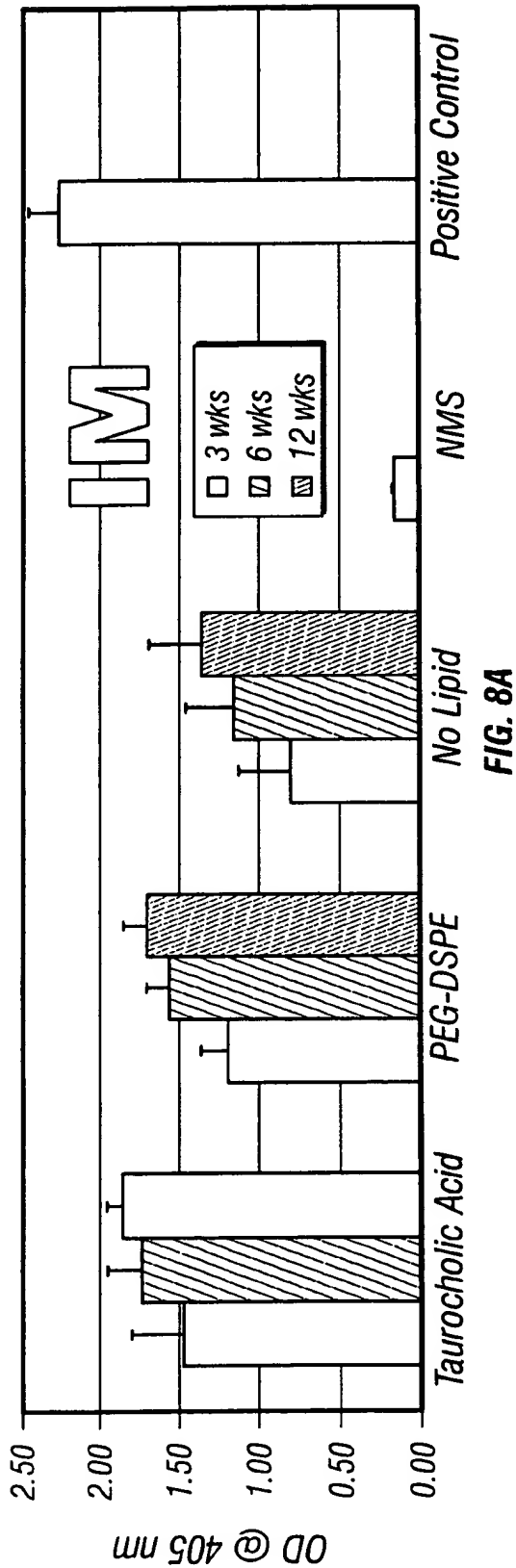


FIG. 7



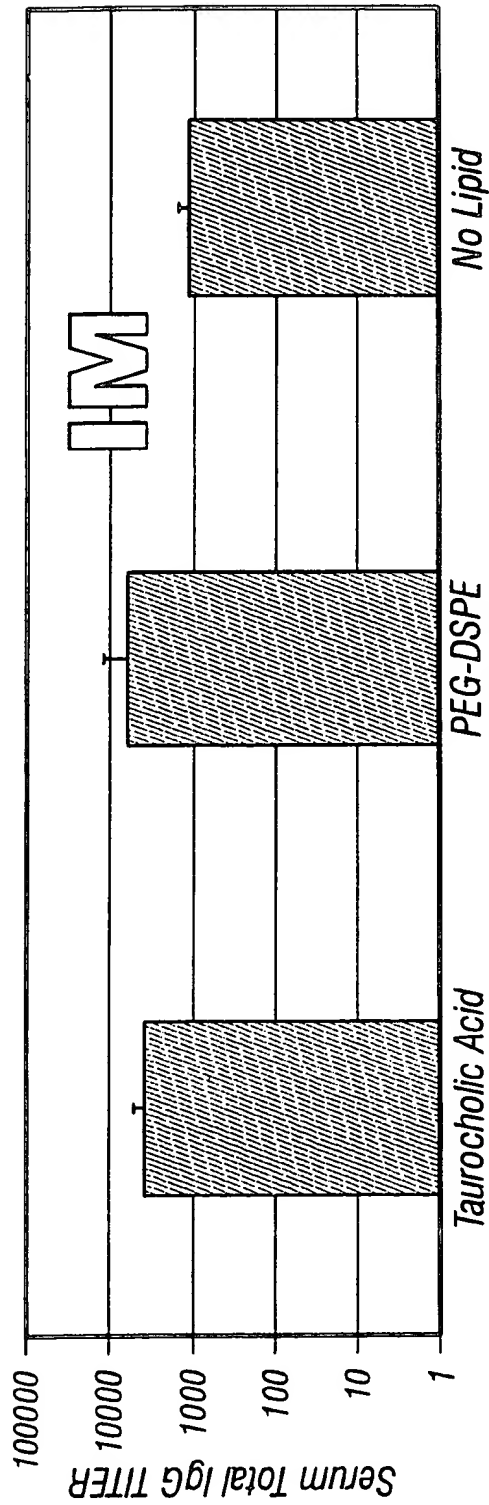


FIG. 9A

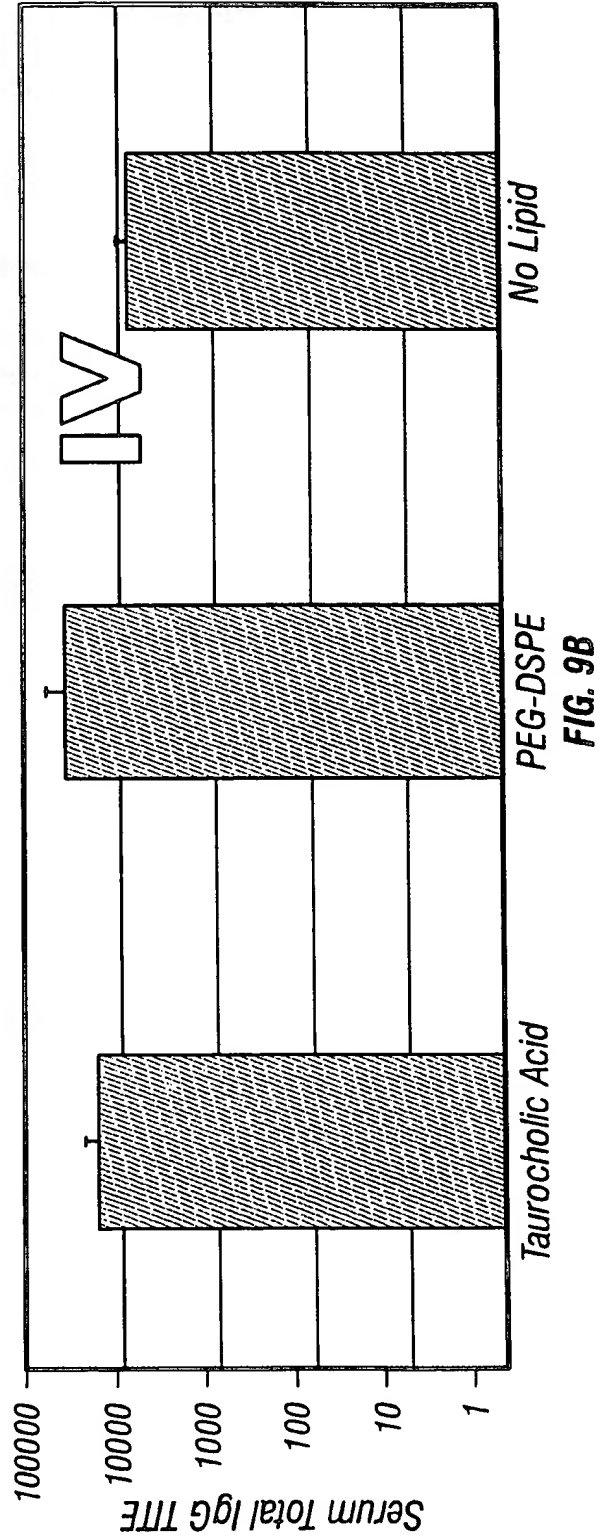


FIG. 9B

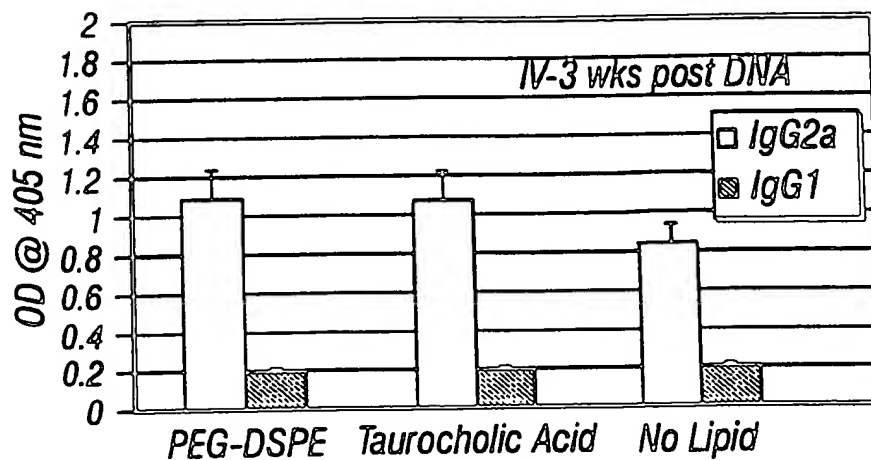


FIG. 10A

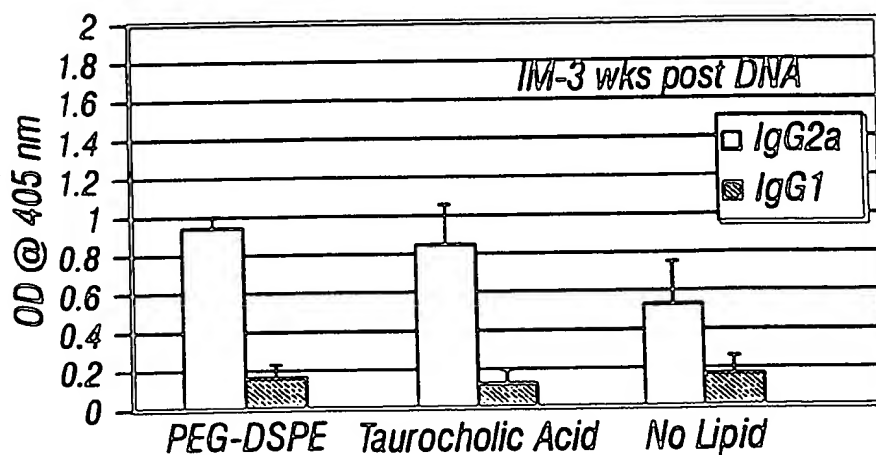


FIG. 10B

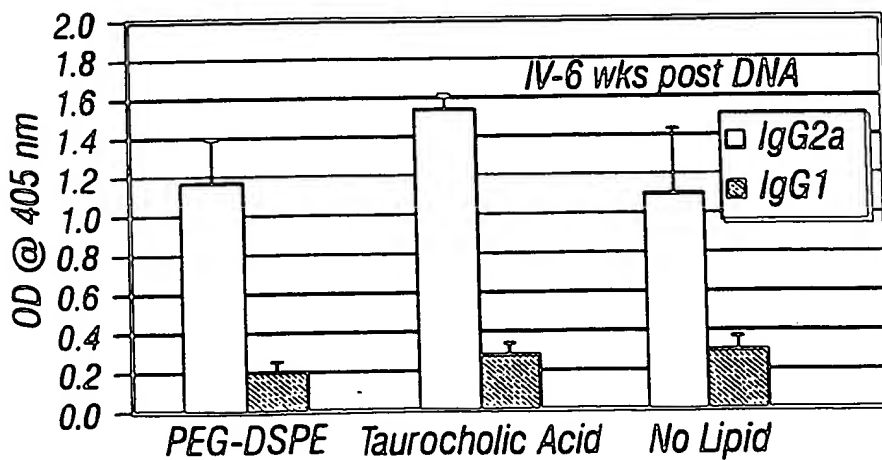


FIG. 10C

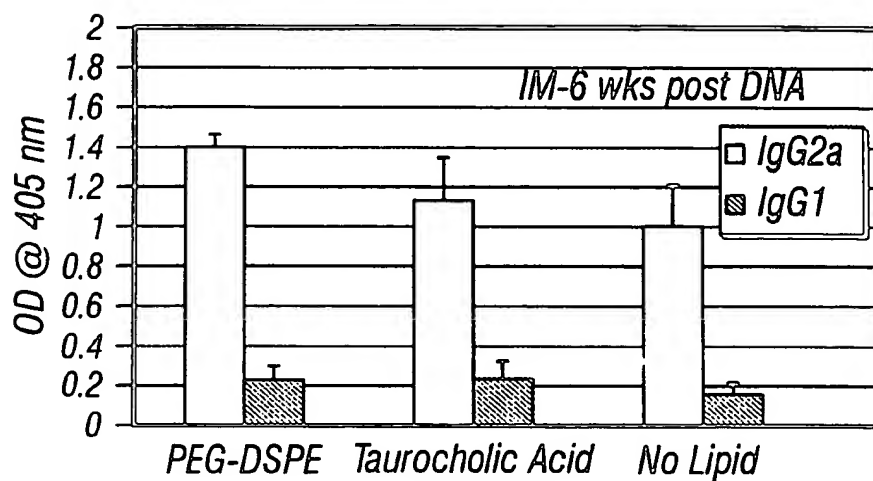


FIG. 10D

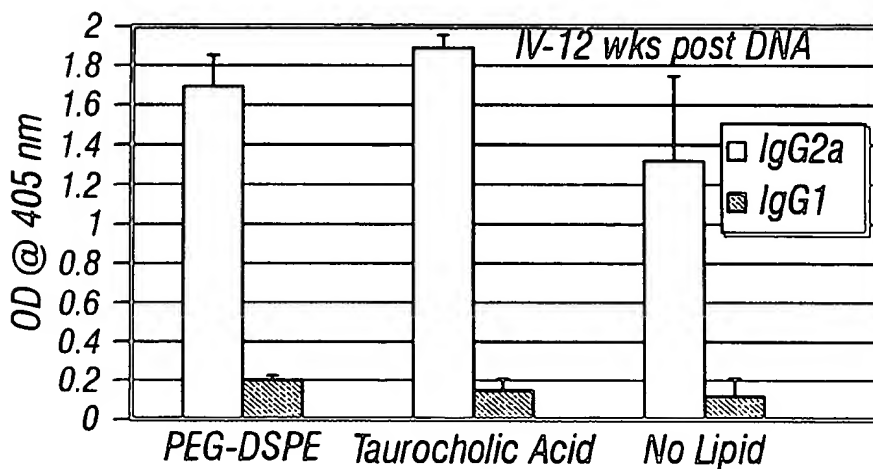


FIG. 10E

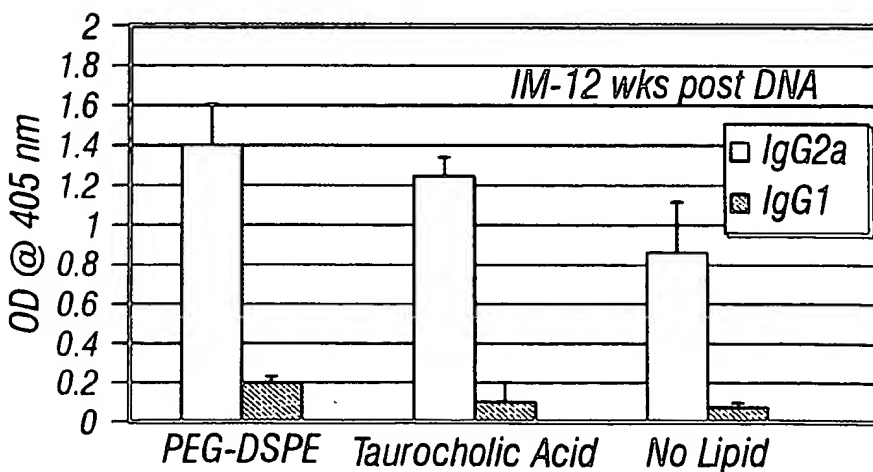


FIG. 10F

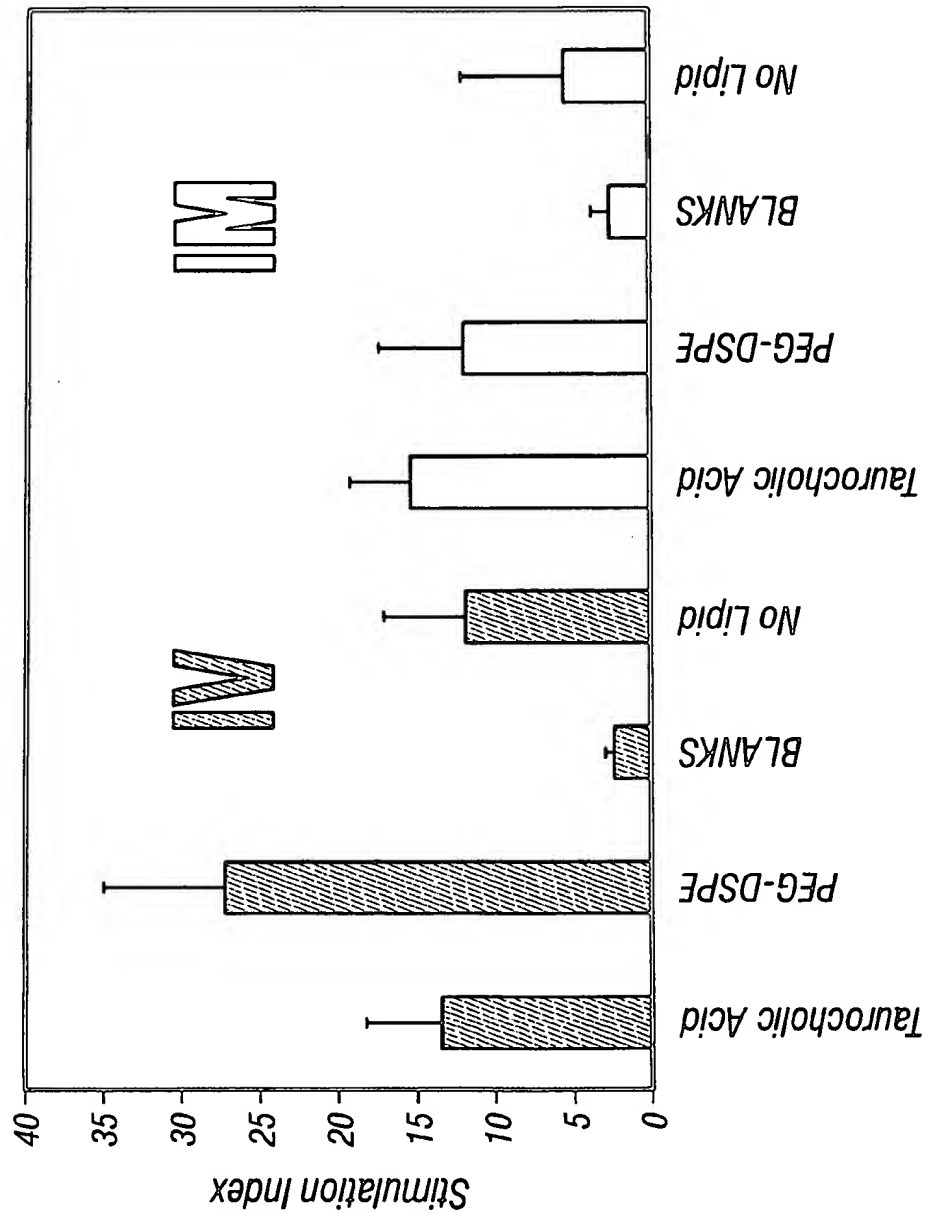


FIG. 11

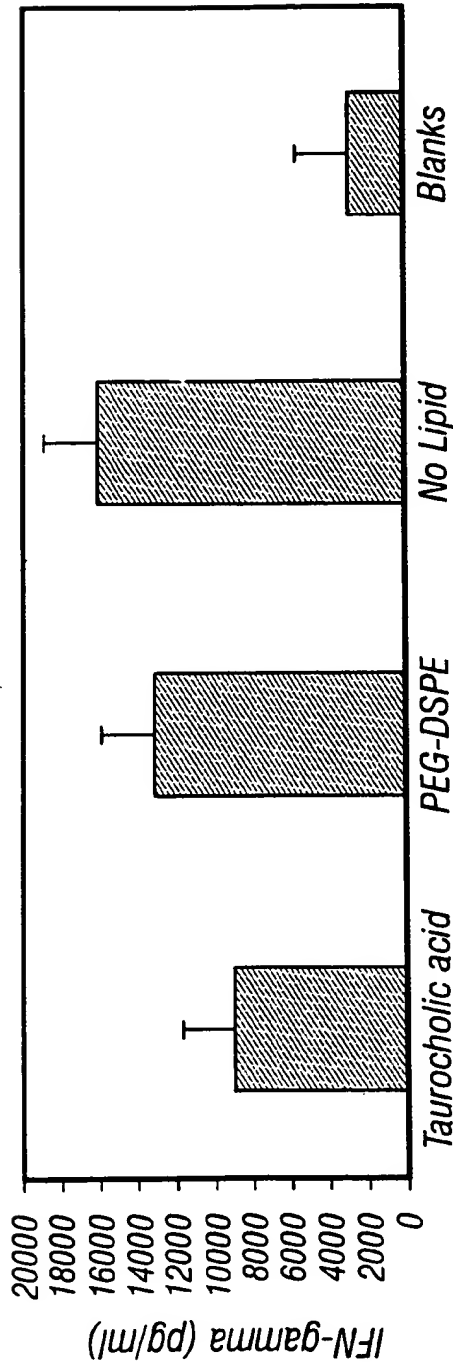


FIG. 12A

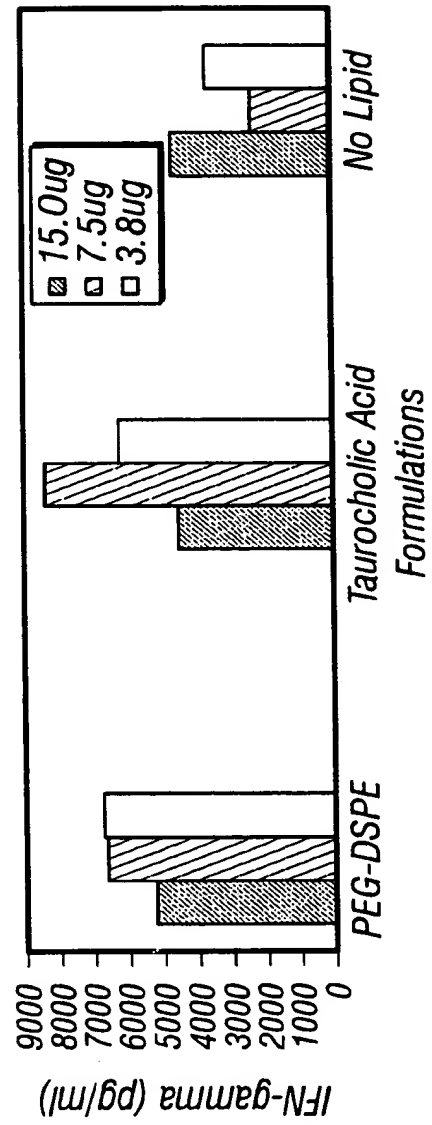


FIG. 12B



FIG. 13A

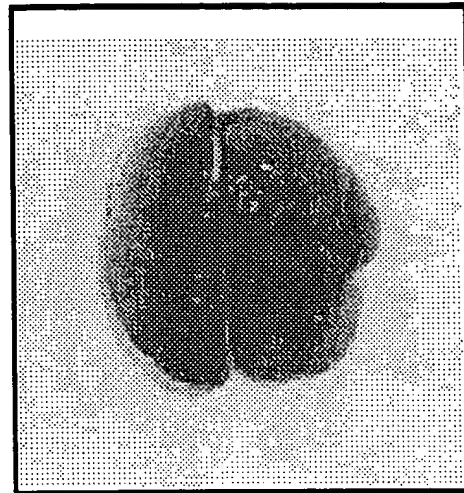
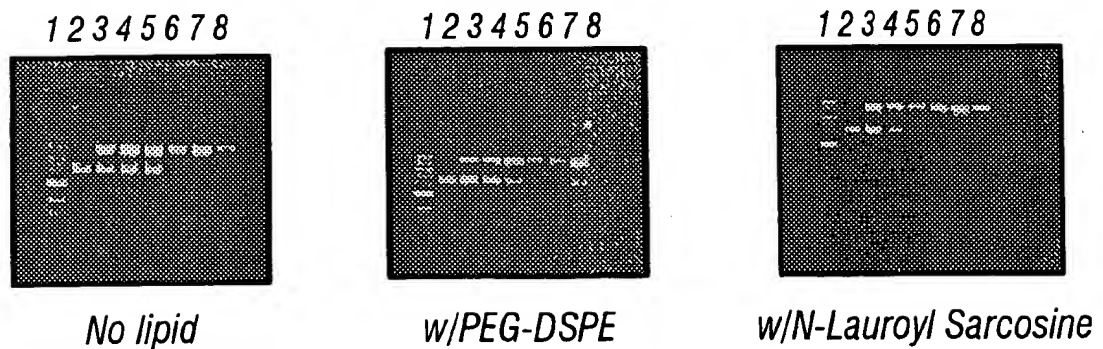
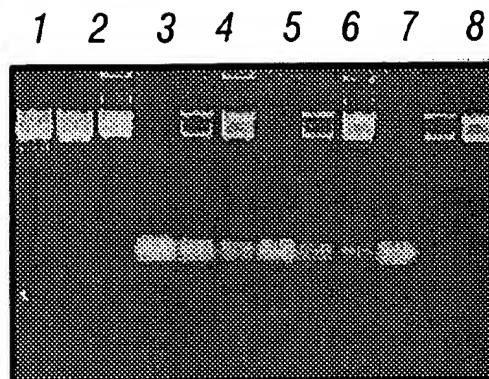


FIG. 13B



Lane 1 : 1 Kb Marker, 2=250 ng Input DNA
 3=1.5 h, 4=1d, 5=3d, 6=8d, 7=15d, 8=21d

FIG. 14



- *Naked DNA*
- *Mp-DNA (no lipid)*
- *Mp-PEG-DSPE-DNA*
- *Naked DNA, 30 min*
- *Mp-DNA, 30 min (no lipid)*
- *Mp-PEG-DSPE-DNA, 30 min*
- *Naked DNA, 1 hr*
- *Mp-DNA, 1 hr (no lipid)*
- *Mp-PEG-DSPE-DNA, 1 hr*
- *Naked DNA, 2 hrs*
- *Mp-DNA, 2 hrs (no lipid)*
- *Mp-PEG-DSPE-DNA, 2 hrs*

FIG. 15



FIG. 16

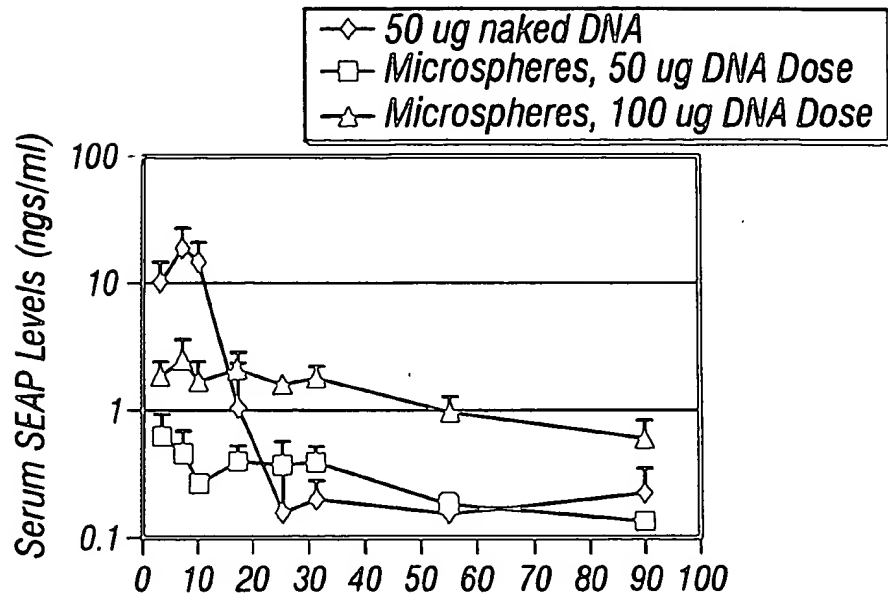


FIG. 17A

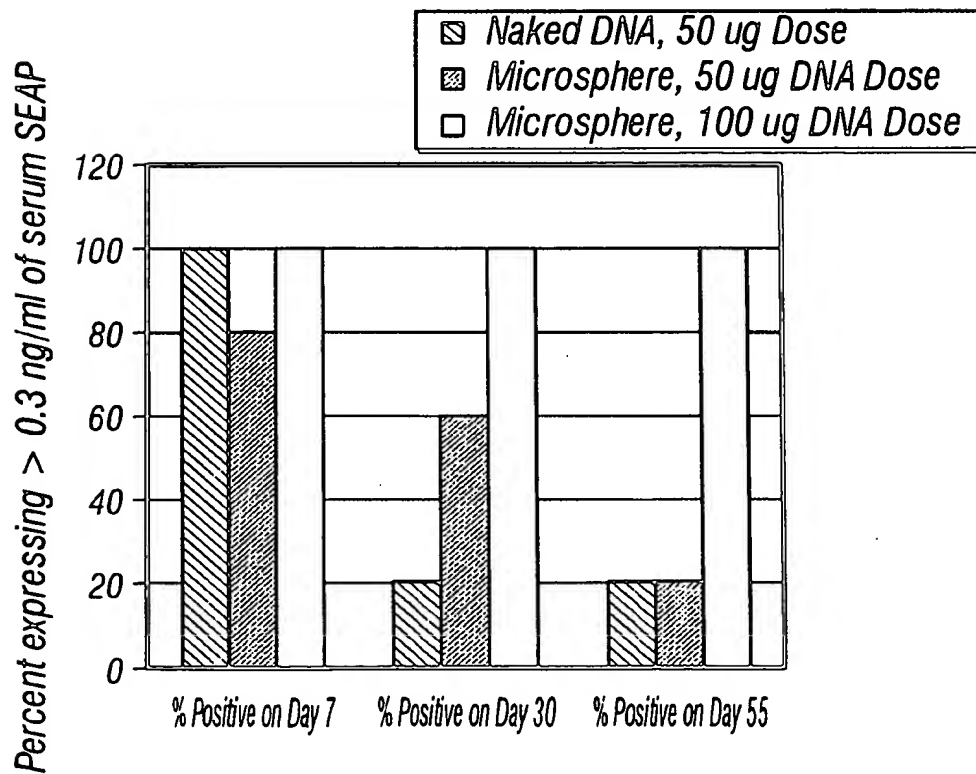


FIG. 17B

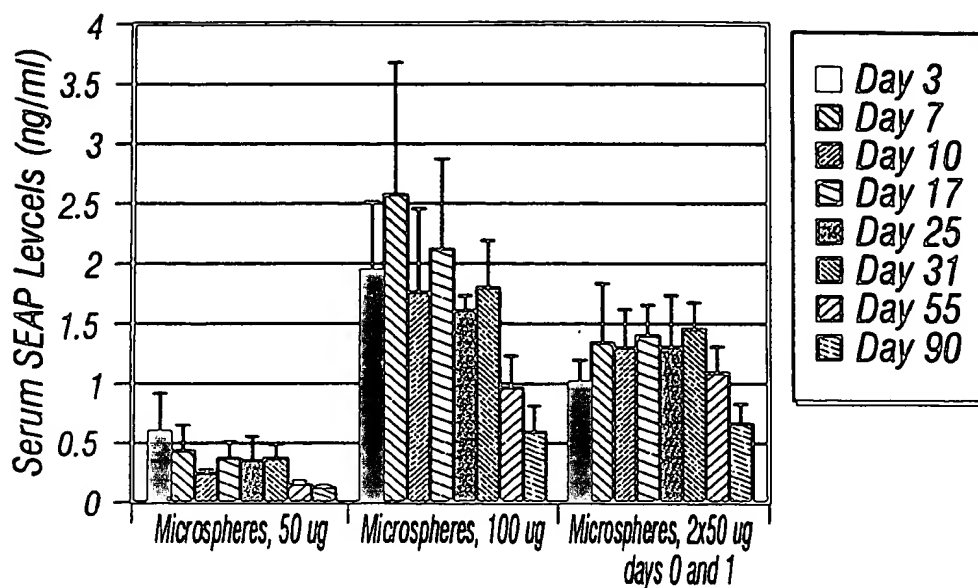


FIG. 18

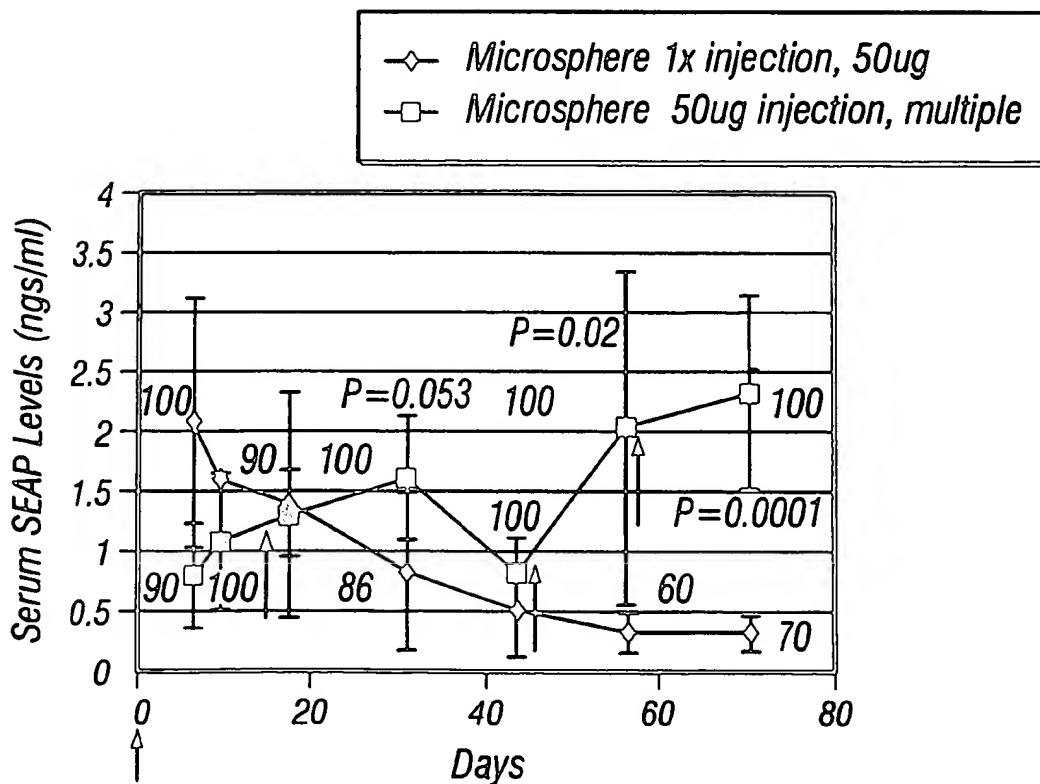


FIG. 19

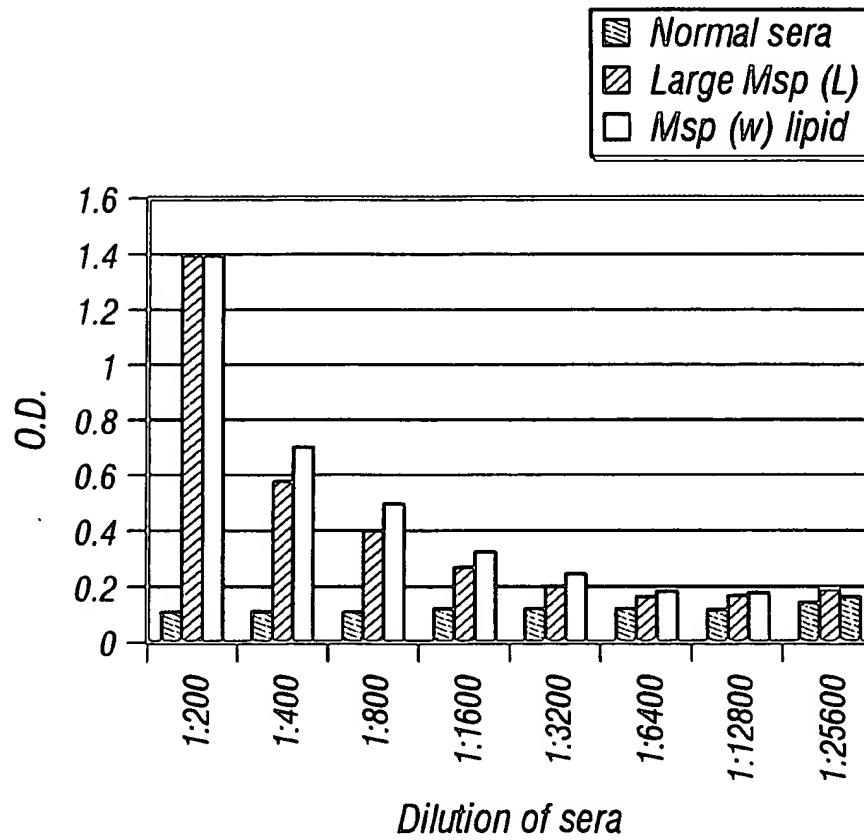


FIG. 20